# Using WebSLAT

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Once you've got WebSLAT running, either through a virtual machine or in your PC environment, this document provides some hints on interacting with it.

#### 1 Connect to WebSLAT:

Direct your web browser to the WebSLAT instance you're running. If you've set up a virtual machine as describe in the README file, the url is:

http://localhost:3080

If you're running it using the django 'manage.py' script, you'll (probably) need to use:

http://localhost:8000

## 2 The Welcome Page

When you first connect, you'll be taken to the welcome page. This presents some basic information about the project, and related links. Click 'Enter' to start using the site.

If your system has been configure to require a login, you'll need to provide your credentials on the next screen, but this isn't the default.

You can get back to this page by clicking the 'OpenSLAT' text at the top left of any screen on the site.

### 3 The Projects List

Once into the site, you're at the 'Projects' page, which presents a list of projects. By default, you'll have one project called 'Red Book Project'.

This is an example project based on the Red Book building, and Professor Brendon Bradley's work.

You can create your own project by clicking the 'Create a New Project.' button. See the demo script in the 'doc/rollout' directory for a walk-through on creating a project from ETABS data.

#### 4 The Project Home Page

When you've clicked on a project in the list, you're taken to it's home page. From here, you can edit the:

- Title
- Description
- Return Period (controls plot range)
- Demolation and Collapse parameters

You've be presented with a plot of the Cost|IM relationship, and the following buttons:

Site Hazard view or edit the seismic hazard curve

**Engineering Demands** view a table of the engineering demands. From there, you can view any individual demand curve, of the components for a given level.

You can also rename or re-order order the levels.

The 'Demand Curves' button will show a plot of the demands for all levels, grouped into four plots by demand type (acceleration or drift) and direction (X or Y).

Component Groups presents a table of the component groups in the project, which you can edit or add to.

**Analysis** Provide further results

Full Re-Calc Sometimes, the system doesn't produce results—I suspect because of an as-yet unidentified bug in the parallel processing. This button fill force a full re-analysis.

### 5 The Analysis page

Clicking 'Analysis' from the project page provides:

- a chart of expected loss over time
- annual expected loss broken down by floor
- annual expected loss broken down by component type

From here, you can request a 'Detailed Analysis' by clicking the appropriately-named link at the bottom of the page.

#### 6 The Detailed Analysis Page

This page shows the expected loss of each component, in each direction, grouped by floor.

At the bottom of the page (collapsed by default), is an 'all-in-one' table, which presents the same information in a form that can easily be copied into a spreadsheet or database for further analysis or plotting.

## 7 Component List

By editing the url bar to go to http://localhost:3080/slat/components (or 8000, or whatever port you're using), you'll get a list of all the components in the database. You can view and edit the details of any component, and create new ones from here.